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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : C07H 21/04, C12Q 1/68, C12P 19/34, A61K 48/00, C07K 14/47, 14/705, 16/00, 16/28		A1	(11) International Publication Number: WO 96/36641 (43) International Publication Date: 21 November 1996 (21.11.96)
(21) International Application Number: PCT/US96/07218 (22) International Filing Date: 17 May 1996 (17.05.96) (30) Priority Data: 08/446,530 19 May 1995 (19.05.95) US			(81) Designated States: CA, JP, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>
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<p>(54) Title: SUSCEPTIBILITY GENE FOR OBESITY AND TYPE II DIABETES MELLITUS</p> <p>(57) Abstract</p> <p>The present invention provides a novel polypeptide characterized by a non-conservative missense mutation, Trp64Arg, in the β-3-adrenergic receptor (β3AR) that increases susceptibility to obesity and non-insulin dependent diabetes mellitus (NIDDM; type II diabetes). Also provided are methods of diagnosis and methods of treatment of subjects having or at risk of having type II diabetes/obesity. The figure shows allele specific oligonucleotide hybridization to detect the presence of the Trp64Arg mutation.</p>			
<p style="text-align: right;">Trp64 Arg64</p> <p>Trp/Arg</p> <p>Arg/Arg</p> <p>Trp/Arg</p> <p>Trp/Trp</p> <p>Trp/Trp</p>			

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